

CONTENTS

VOLUME 23, 1956

AKUTOWICZ, EDWIN J. The uniqueness of Laplace integrals.....	165
AMIR-MOÉZ, ALI R. Extreme properties of eigenvalues of a Hermitian transformation and singular values of the sum and product of linear transformations.....	463
ANDERSON, R. D. Atomic decompositions of continua.....	507
BELLMAN, RICHARD. A generalization of some integral identities due to Ingham and Siegel.....	571
BELLMAN, RICHARD. Converses of Schwarz's inequality.....	429
BERNARDI, S. D. Note on an inequality of Prawitz.....	385
BRAUNSCHWEIGER, CHRIS C. A geometric construction of L -spaces....	271
BURGESS, C. E. Separation properties and n -indecomposable continua.	595
BUSEMANN, HERBERT. Groups of motions transitive on sets of geodesics.	539
CARLITZ, L. Class number formulas for quadratic forms over $GF[q, x]$..	225
CARLITZ, L. A further note on Dedekind sums.....	219
CARLITZ, L. Weighted quadratic partitions over $GF[q, x]$	493
CARLITZ, L., AND RIORDAN, J. The number of labeled two-terminal series-parallel networks.....	435
CHAK, A. M. A class of polynomials and a generalization of Stirling numbers.....	45
CIVIN, PAUL, AND YOOD, BERTRAM. Ideals in multiplicative systems of continuous functions: a correction.....	631
CIVIN, PAUL, AND YOOD, BERTRAM. Ideals in multiplicative semi-groups of continuous functions.....	325
COHEN, ECKFORD. An extension of Ramanujan's sum. III. Connections with totient functions.....	623
COHEN, ECKFORD. Some totient functions.....	515
DARLING, D. A., AND ERDÖS, P. A limit theorem for the maximum of normalized sums of independent random variables.....	143
DESKINS, W. E. Finite Abelian groups with isomorphic group algebras..	35

DONOGHUE, WILLIAM F., JR. The Banach algebra l^1 with an application to linear transformations.....	533
DUFFIN, R. J. Basic properties of discrete analytic functions.....	335
EASTERFIELD, T. E. The characteristic roots of a matrix: a correction..	635
FELDMAN, JACOB. Embedding of AW^* algebras.....	303
FELDMAN, JACOB. Some connections between topological and algebraic properties in rings of operators.....	365
GARRETT, JAMES RICHARD. Reduction of equations to normal form in fields of characteristic p	241
GETOOR, R. K. The shift operator for non-stationary stochastic processes	175
GOLDBERG, KARL. The formal power series for $\log e^ze^w$	13
GOLDBERG, RICHARD R., AND VARGA, RICHARD S. Moebius inversion of Fourier transforms.....	553
GOLDMAN, MALCOLM. Structure of AW^* -algebras. I.....	23
GROSSWALD, EMIL. The average order of an arithmetic function.....	41
GROSSWALD, EMIL. The order of the zeta function in the critical strip..	621
HARTMAN, PHILIP, AND PUTNAM, C. R. The essential spectra belonging to bounded and half-bounded potentials.....	561
HARTMAN, PHILIP, AND PUTNAM, CALVIN R. The essential spectrum and averages of the potential.....	83
HEIDER, L. J. A characterization of function-lattices.....	297
HEIDER, L. J. Directed limits on rings of continuous functions.....	293
HEWITT, EDWIN. Compact monothetic semigroups.....	447
HODGES, JOHN H. Weighted partitions for general matrices over a finite field.....	545
HOLLINGSWORTH, B. J., AND BELL, P. O. Generalized conjugate nets in projective n -space.....	601
HUEBSCH, WILLIAM. Covering homotopy.....	281
JEWETT, JOHN. Differentiable approximations to light interior transformations.....	111
JOHNSON, GUY, JR. Regions of flatness for analytic functions and their derivatives.....	209

CONTENTS

v

LANGER, RUDOLPH E. The solutions of a class of ordinary linear differential equations of the third order in a region containing a multiple turning point.....	93
LEE, C. Y. Similarity principle with boundary conditions for pseudo-analytic functions.....	157
LEHNER, JOSEPH, AND WING, G. MILTON. Solution of the linearized Boltzmann transport equation for the slab geometry.....	125
LEVIN, JACOB J. Singular perturbations of nonlinear systems of differential equations related to conditional stability.....	609
MOSTERT, PAUL S. Sections in principal fibre spaces.....	57
OWENS, O. G. Polynomial solutions of the cylindrical wave equation...	371
PIERCE, R. S. Radicals in function rings.....	253
READE, MAXWELL O. The coefficients of close-to-convex functions...	459
RECHARD, OTTIS W. Invariant measures for many-one transformations.	477
REICH, EDGAR. Schlicht functions with real coefficients.....	421
ROBERTS, J. H. The rational points in Hilbert space.....	489
ROSE, DONALD CLAYTON. On general Dirichlet series.....	73
ROSENBLUM, MARVIN. On the operator equation $BX - XA = Q$	263
RUDIN, WALTER. Homogeneity problems in the theory of Čech compactifications.....	409
RUDIN, WALTER. Note of correction.....	633
SCHREIBER, M. Unitary dilations of operators.....	579
SERRIN, JAMES. A note on harmonic functions defined in a half plane..	523
SINGH, S. K. Exceptional values of entire functions.....	527
SWIFT, GEORGE. n -valued irregular Borel measures.....	393
WARNER, SETH. Polynomial completeness in locally multiplicatively-convex algebras.....	1
WHYBURN, G. T. Mappings on inverse sets.....	237
WIDOM, HAROLD. Embedding in algebras of type I.....	309
WILLIAMSON, R. E. Multiply monotone functions and their Laplace transforms.....	189







